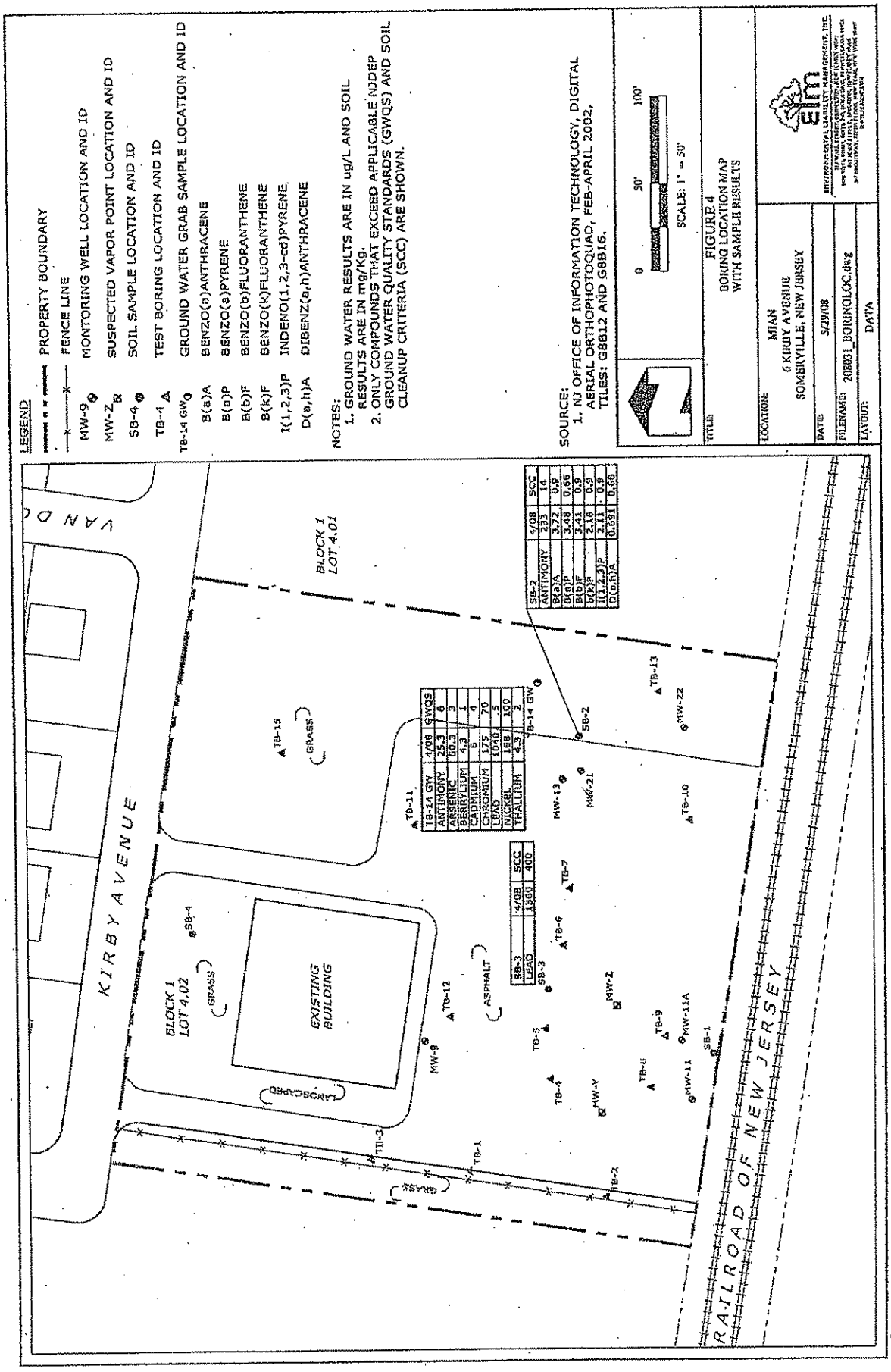
EXHIBIT F


LEGEND
PROPERTY BOUNDARY
FENCE LINE
MW-9 MONITORING WELL LOCATION AND ID
MW-Z SUSPECTED VAPOR POINT LOCATION AND ID
SB-4 SOIL SAMPLE LOCATION AND ID
TB-4 TEST BORING LOCATION AND ID
TB-14 GW GROUND WATER GRAB SAMPLE LOCATION AND ID
B(a)A BENZO(a)ANTHRACENE
B(a)P BENZO(a)PYRENE
B(b)F BENZO(b)FLUORANTHENE
B(k)F BENZO(k)FLUORANTHENE
I(1,2,3)P INDENO(1,2,3-cd)PYRENE
D(a,h)A DIBENZ(a,h)ANTHRACENE
NOTES:
1. GROUND WATER RESULTS ARE IN ug/L AND SOIL RESULTS ARE IN mg/Kg.
2. ONLY COMPOUNDS THAT EXCEED APPLICABLE NJDEP GROUND WATER QUALITY STANDARDS (GWQS) AND SOIL CLEANUP CRITERIA (SCC) ARE SHOWN.
SOURCE:
1. NJ OFFICE OF INFORMATION TECHNOLOGY, DIGITAL AERIAL ORTHOPHOTOQUAD, FEB-APRIL 2002, TILES: G8812 AND G8816.
0 50' 100'
SCALE: 1" = 50'
TITLE: FIGURE 4 BORING LOCATION MAP WITH SAMPLE RESULTS
LOCATION: MIAN 6 KIRBY AVENUE SOMERVILLE, NEW JERSEY
DATE: 5/29/08
FILENAME: 208031_BORINGLOC.dwg
LAYOUT: DATA
KIRBY AVENUE
BLOCK 1 LOT 4.02
BLOCK 1 LOT 4.01
EXISTING BUILDING
LANDSCAPED
GRASS
ASPHALT
RAILROAD OF NEW JERSEY
TB-1 TB-2 TB-3 TB-4 TB-5 TB-6 TB-7 TB-8 TB-9 TB-10 TB-11 TB-12 TB-13 TB-14 GW TB-15
MW-9 MW-Z MW-Y MW-11 MW-11A MW-13 MW-21 MW-22
SB-1 SB-2 SB-3 SB-4
SB-3 4/08 SCC
LEAD 1360 400
TB-14 GW 4/08 GWQS
ANTIMONY 25.3 6
ARSENIC 60.3 3
BERRYLIUM 4.3 1
CADMIUM 6 4
CHROMIUM 175 70
LEAD 1040 5
NICKEL 168 100
THALLIUM 4.3 2
SB-2 4/08 SCC
ANTIMONY 233 14
B(a)A 3.72 0.9
B(a)P 3.48 0.66
B(b)F 3.41 0.9
B(k)F 2.16 0.9
I(1,2,3)P 2.11 0.9
D(a,h)A 0.691 0.66

000137

Table 1
Summary of Soil Sample Laboratory Analytical Results
Mian
Somerville, NJ

Sample ID	New Jersey Soil Cleanup Criteria			SB-1		SB-2		SB-3		SB-4	
Laboratory ID				JS8612-1		JS8612-2		JS8612-3		JS8612-4	
Sample Media	Residential	Non-Residential	Impact to	Soil		Soil		Soil		Soil	
Sample Date	Direct	Direct	Ground	4/16/2008		4/16/2008		4/16/2008		4/16/2008	
Sample Depth	Contact	Contact	Water								
Units Of Measure	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Volatile Organic Compounds											
Acrolein	NS	NS	NS	1.6	U	1.5	U	1.6	U	1.3	U
Acrylonitrile	1	5	1	0.29	U	0.27	U	0.29	U	0.26	U
Benzene	3	13	1	0.024	U	0.022	U	0.024	U	0.022	U
Bromodichloromethane	11	46	1	0.018	U	0.017	U	0.018	U	0.016	U
Bromoform	86	370	1	0.023	U	0.021	U	0.023	U	0.021	U
Bromomethane	79	1000	1	0.060	U	0.056	U	0.061	U	0.055	U
Carbon tetrachloride	2	4	1	0.064	U	0.059	U	0.064	U	0.059	U
Chlorobenzene	37	680	1	0.020	U	0.019	U	0.020	U	0.019	U
Chloroethane	NS	NS	NS	0.047	U	0.043	U	0.047	U	0.043	U
2-Chloroethyl vinyl ether	NS	NS	NS	0.094	U	0.087	U	0.094	U	0.086	U
Chloroform	19	28	1	0.032	U	0.029	U	0.032	U	0.029	U
Chloromethane	520	1000	10	0.048	U	0.045	U	0.049	U	0.044	U
Dibromochloromethane	110	1000	1	0.018	U	0.017	U	0.019	U	0.017	U
1,2-Dichlorobenzene	5100	10000	50	0.025	U	0.023	U	0.025	U	0.023	U
1,3-Dichlorobenzene	5100	10000	100	0.021	U	0.019	U	0.021	U	0.019	U
1,4-Dichlorobenzene	570	10000	100	0.021	U	0.020	U	0.022	U	0.020	U
Dichlorodifluoromethane	NS	NS	NS	0.11	U	0.10	U	0.11	U	0.10	U
1,1-Dichloroethane	570	1000	10	0.027	U	0.025	U	0.027	U	0.025	U
1,2-Dichloroethane	6	24	1	0.029	U	0.027	U	0.029	U	0.027	U
1,1-Dichloroethene	8	150	10	0.036	U	0.033	U	0.036	U	0.033	U
cis-1,2-Dichloroethene	79	1000	1	0.025	U	0.023	U	0.025	U	0.023	U
trans-1,2-Dichloroethene	1000	1000	50	0.022	U	0.020	U	0.022	U	0.020	U
1,2-Dichloropropane	10	43	NS	0.027	U	0.025	U	0.027	U	0.025	U
cis-1,3-Dichloropropene	4	5	1	0.017	U	0.015	U	0.017	U	0.015	U
trans-1,3-Dichloropropene	4	5	1	0.017	U	0.016	U	0.017	U	0.016	U
Ethylbenzene	1000	1000	100	0.028	U	0.026	U	0.028	U	0.025	U
Methylene chloride	49	210	1	0.020	U	0.018	U	0.020	U	0.018	U
1,1,2,2-Tetrachloroethane	34	70	1	0.017	U	0.016	U	0.017	U	0.016	U
Tetrachloroethene	4	6	1	0.032	U	0.030	U	0.032	U	0.029	U
Toluene	1000	1000	500	0.023	U	0.021	U	0.023	U	0.021	U
1,1,1-Trichloroethane	210	1000	50	0.036	U	0.033	U	0.036	U	0.033	U
1,1,2-Trichloroethane	22	420	1	0.017	U	0.016	U	0.016	U	0.016	U
Trichloroethene	23	54	1	0.020	U	0.019	U	0.208	J	0.018	U
Trichlorofluoromethane	NS	NS	NS	0.20	U	0.18	U	0.20	U	0.18	U
Vinyl chloride	2	7	10	0.043	U	0.040	U	0.044	U	0.040	U
Xylene (total)	410	1000	67	0.021	U	0.019	U	0.021	U	0.019	U
Total TIC, Volatile	NS	NS	NS	0		0		1.4	J	0	
Pesticides											
Aldrin	0.04	0.17	50	0.00031	U	0.00030	U	0.00031	U	0.00029	U
alpha-BHC	NS	NS	NS	0.00029	U	0.00027	U	0.00028	U	0.00027	U
beta-BHC	NS	NS	NS	0.00052	U	0.00050	U	0.00051	U	0.00048	U
delta-BHC	NS	NS	NS	0.00028	U	0.00027	U	0.00028	U	0.00026	U
gamma-BHC (Lindane)	0.52	2.2	50	0.00038	U	0.00036	U	0.00038	U	0.00035	U
Chlordane	NS	NS	NS	0.017	U	0.016	U	0.017	U	0.016	U
Dieldrin	0.042	0.18	50	0.00030	U	0.00029	U	0.00030	U	0.00028	U
4,4'-DDD	3	12	50	0.00025	U	0.00024	U	0.00025	U	0.00023	U
4,4'-DDE	2	9	50	0.00039	U	0.0035		0.00038	U	0.00036	U
4,4'-DDT	2	9	500	0.0040		0.0100		0.00035	U	0.00033	U
Endrin	17	310	50	0.00033	U	0.00032	U	0.00033	U	0.00031	U
Endosulfan sulfate	NS	NS	NS	0.00033	U	0.00032	U	0.00033	U	0.00031	U
Endrin aldehyde	NS	NS	NS	0.00036	U	0.00035	U	0.00036	U	0.00034	U
Endosulfan-I	NS	NS	NS	0.00032	U	0.00030	U	0.00031	U	0.00029	U
Endosulfan-II	NS	NS	NS	0.00051	U	0.00049	U	0.00051	U	0.00048	U
Heptachlor	0.15	0.65	50	0.00041	U	0.00039	U	0.00041	U	0.00038	U
Heptachlor epoxide	NS	NS	NS	0.00031	U	0.00030	U	0.00031	U	0.0040	
Methoxychlor	280	5200	50	0.00041	U	0.00040	U	0.00041	U	0.00038	U
Toxaphene	0.1	0.2	50	0.015	U	0.014	U	0.014	U	0.014	U
Metals											
Antimony	14	340	NS	2.6		233		8.6		1.8	J
Arsenic	20	20	NS	4.9		5.9		5.2		0.76	U
Beryllium	2	2	NS	0.40	J	0.32	J	0.63		1.1	
Cadmium	39	100	NS	1.1		0.80		1.5		0.60	
Chromium	NS	NS	NS	26.0		26.6		38.5		32.0	
Copper	600	600	NS	66.7		48.0		107		11.6	
Lead	400	600	NS	178		66.3		1360		21.6	
Mercury	14	270	NS	0.35		0.097		0.11		0.023	J
Nickel	250	2400	NS	27.9		15.9		22.4		37.7	
Selenium	63	3100	NS	1.5	J	1.3	U	1.7	J	1.2	U
Silver	110	4100	NS	0.37	J	0.25	U	0.46	J	0.24	U
Thallium	2	2	NS	0.86	U	0.85	U	0.87	U	0.81	U
Zinc	1500	1500	NS	169		99.2		1090		86.9	

Notes:
U = Not detected above indicated level
J = Estimated Concentration
NS = No Standard
ND = Not Detected
NT = Not Tested

000138

Table 1

Summary of Soil Sample Laboratory Analytical Results
Mian
Somerville, NJ

Table 1

Sample ID	New Jersey			SB-1		SB-2		SB-3		SB-4	
Laboratory ID	Soil Cleanup Criteria			J88612-1		J88612-2		J88612-3		J88612-4	
Sample Matrix	Residential	Non-Residential	Impact to Ground Water	Soil		Soil		Soil		Soil	
Sample Date	Direct Contact	Direct Contact		4/16/2008		4/16/2008		4/16/2008		4/16/2008	
Sample Depth											
Units Of Measure	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Semi-Volatile Organic Compounds											
2-Chlorophenol	280	5200	10	0.025	U	0.12	U	0.025	U	0.023	U
4-Chloro-3-methyl phenol	18000	10000	100	0.053	U	0.26	U	0.052	U	0.049	U
2,4-Dichlorophenol	170	3100	10	0.040	U	0.20	U	0.040	U	0.037	U
2,4-Dimethylphenol	1100	10000	10	0.047	U	0.23	U	0.047	U	0.044	U
2,4-Dinitrophenol	110	2100	10	0.043	U	0.21	U	0.042	U	0.040	U
4,6-Dinitro-o-cresol	NS	NS	NS	0.071	U	0.34	U	0.071	U	0.066	U
2-Nitrophenol	NS	NS	NS	0.045	U	0.22	U	0.045	U	0.042	U
4-Nitrophenol	NS	NS	NS	0.068	U	0.33	U	0.068	U	0.063	U
Pentachlorophenol	6	24	100	0.041	U	0.20	U	0.040	U	0.038	U
Phenol	10000	10000	50	0.036	U	0.18	U	0.036	U	0.034	U
2,4,6-Trichlorophenol	62	270	10	0.078	U	0.38	U	0.078	U	0.073	U
Acenaphthene	3400	10000	100	0.0181	J	1.00		0.121		0.011	U
Acenaphthylene	NS	NS	NS	0.105		0.735		0.0817		0.0220	J
Anthracene	10000	10000	100	0.144		2.43		0.0762	J	0.053	U
Benzidine	NS	NS	NS	0.0061	U	0.030	U	0.0061	U	0.0057	U
Benzo(a)anthracene	0.9	4	300	0.357		3.72		0.188		0.116	
Benzo(a)pyrene	0.66	0.66	100	0.428		3.48		0.187		0.121	
Benzo(b)fluoranthene	0.9	4	50	0.378		3.41		0.177		0.116	
Benzo(g,h,i)perylene	NS	NS	NS	0.333		2.39		0.130		0.0800	
Benzo(k)fluoranthene	0.9	4	500	0.353		2.16		0.140		0.0833	
4-Bromophenyl phenyl ether	NS	NS	NS	0.017	U	0.082	U	0.017	U	0.016	U
Butyl benzyl phthalate	1100	10000	100	0.014	U	0.068	U	0.014	U	0.013	U
2-Chloronaphthalene	NS	NS	NS	0.012	U	0.057	U	0.012	U	0.011	U
4-Chloroaniline	230	4200	NS	0.014	U	0.068	U	0.014	U	0.013	U
Chrysene	9	40	500	0.447		3.90		0.193		0.134	
bis(2-Chloroethoxy)methane	NS	NS	NS	0.015	U	0.073	U	0.015	U	0.014	U
bis(2-Chloroethyl)ether	0.66	3	10	0.018	U	0.086	U	0.018	U	0.016	U
bis(2-Chloroisopropyl)ether	2300	10000	10	0.023	U	0.11	U	0.023	U	0.021	U
4-Chlorophenyl phenyl ether	NS	NS	NS	0.011	U	0.054	U	0.011	U	0.010	U
1,2-Dichlorobenzene	5100	10000	50	0.013	U	0.064	U	0.013	U	0.012	U
1,2-Diphenylhydrazine	NS	NS	NS	0.013	U	0.061	U	0.013	U	0.012	U
1,3-Dichlorobenzene	5100	10000	100	0.012	U	0.057	U	0.012	U	0.011	U
1,4-Dichlorobenzene	570	10000	100	0.010	U	0.050	U	0.010	U	0.0096	U
2,4-Dinitrotoluene	NS	NS	NS	0.013	U	0.061	U	0.012	U	0.012	U
2,6-Dinitrotoluene	NS	NS	NS	0.015	U	0.073	U	0.015	U	0.014	U
3,3'-Dichlorobenzidine	2	6	100	0.028	U	0.14	U	0.028	U	0.026	U
Dibenzo(a,h)anthracene	0.66	0.66	100	0.0977		0.691		0.0336	J	0.0234	J
Di-n-butyl phthalate	5700	10000	100	0.011	U	0.052	U	0.011	U	0.010	U
Di-n-octyl phthalate	1100	10000	100	0.016	U	0.077	U	0.016	U	0.015	U
Diethyl phthalate	10000	10000	50	0.014	U	0.066	U	0.013	U	0.013	U
Dimethyl phthalate	10000	10000	50	0.010	U	0.051	U	0.010	U	0.0097	U
bis(2-Ethylhexyl)phthalate	49	210	100	0.025	U	0.11	U	0.025	U	0.022	U
Fluoranthene	2300	10000	100	0.776		10.2		0.407		0.251	
Fluorene	2300	10000	100	0.0212	J	1.62		0.228		0.0073	U
Hexachlorobenzene	0.66	2	100	0.019	U	0.091	U	0.019	U	0.017	U
Hexachlorobutadiene	1	21	100	0.018	U	0.087	U	0.018	U	0.017	U
Hexachlorocyclopentadiene	400	7000	100	0.018	U	0.087	U	0.018	U	0.017	U
Hexachloroethane	6	100	100	0.016	U	0.078	U	0.016	U	0.015	U
Indeno(1,2,3-cd)pyrene	0.9	4	500	0.292		2.11		0.115		0.0720	
Isophorone	1100	10000	50	0.012	U	0.061	U	0.012	U	0.012	U
Naphthalene	230	4200	100	0.0304	J	1.25		0.878		0.0081	U
Nitrobenzene	28	520	10	0.013	U	0.063	U	0.013	U	0.012	U
n-Nitrosodimethylamine	NS	NS	NS	0.017	U	0.082	U	0.017	U	0.016	U
N-Nitroso-di-n-propylamine	0.66	0.66	10	0.013	U	0.064	U	0.013	U	0.012	U
N-Nitrosodiphenylamine	140	600	100	0.0085	U	0.041	U	0.0085	U	0.0079	U
Phenanthrene	NS	NS	NS	0.352		11.7		0.438		0.142	
Pyrene	1700	10000	100	0.747		8.45		0.338		0.242	
1,2,4-Trichlorobenzene	68	1200	100	0.012	U	0.059	U	0.012	U	0.011	U
Total TIC, Semi-Volatile	NS	NS	NS	6.16	J	58.61	J	1.19	J	0.16	J
PCB's											
Aroclor 1016	NS	NS	NS	0.0074	U	0.0071	U	0.0073	U	0.0068	U
Aroclor 1221	NS	NS	NS	0.023	U	0.022	U	0.023	U	0.022	U
Aroclor 1232	NS	NS	NS	0.021	U	0.020	U	0.021	U	0.020	U
Aroclor 1242	NS	NS	NS	0.012	U	0.012	U	0.012	U	0.011	U
Aroclor 1248	NS	NS	NS	0.013	U	0.013	U	0.013	U	0.012	U
Aroclor 1254	NS	NS	NS	0.018	U	0.018	U	0.018	U	0.017	U
Aroclor 1260	NS	NS	NS	0.0078	U	0.0075	U	0.0077	U	0.0073	U
Total PCB's	0.49	2	50	0.025	U	0.022	U	0.023	U	0.022	U
General Chemistry											
pH	NS	NS	NS	7.75		7.67		8.23		7.85	
Redox Potential Vs H2 (mv)	NS	NS	NS	392		379		382		370	
Chromium, Hexavalent (mg/kg)	240	6100	NS	1.2	U	1.1	U	1.2	U	1.1	U
Cyanide (mg/kg)	1100	21000	NS	0.26	U	0.26		0.27	U	0.23	U
Phenols (mg/kg)	NS	NS	NS	2.7		2.7	U	2.7	U	2.1	
Solids, Percent (%)	NS	NS	NS	86.2		88.1		85.9		91.6	

000139

Notes:
U = Not detected above indicated level
J = Estimated Concentration
NS = No Standard
ND = Not Detected
NT = Not Tested

Table 2
Summary of Groundwater Laboratory Analytical Results
Mian
Somerville, NJ

Sample ID	NJDEP	TB-14-GW	
Laboratory ID	Class IIA	J88612-5	
Sample Media	Ground Water	Ground Water	
Sample Date	Quality Criteria	4/16/2008	
Units Of Measure	ug/l	ug/l	
Volatile Organic Compounds			
Acrolein	5	4.3	U
Acrylonitrile	2	1.3	U
Benzene	1	0.26	U
Bromodichloromethane	1	0.14	U
Bromoform	4	0.18	U
Bromomethane	100	0.52	U
Carbon tetrachloride	1	0.18	U
Chlorobenzene	50	0.14	U
Chloroethane	100	0.22	U
2-Chloroethyl vinyl ether	100	1.0	U
Chloroform	70	0.16	U
Chloromethane	100	0.29	U
Dibromochloromethane	1	0.12	U
1,2-Dichlorobenzene	600	0.18	U
1,3-Dichlorobenzene	600	0.26	U
1,4-Dichlorobenzene	75	0.32	U
Dichlorodifluoromethane	1000	0.88	U
1,1-Dichloroethane	50	0.16	U
1,2-Dichloroethane	2	0.35	U
1,1-Dichloroethene	1	0.29	U
cis-1,2-Dichloroethene	70	0.19	U
trans-1,2-Dichloroethene	100	0.16	U
1,2-Dichloropropane	1	0.18	U
cis-1,3-Dichloropropene	1	0.15	U
trans-1,3-Dichloropropene	1	0.11	U
Ethylbenzene	700	0.27	U
Methylene chloride	3	0.16	U
1,1,2,2-Tetrachloroethane	1	0.13	U
Tetrachloroethene	1	0.29	U
Toluene	600	0.15	U
1,1,1-Trichloroethane	30	0.24	U
1,1,2-Trichloroethane	3	0.17	U
Trichloroethene	1	0.18	U
Trichlorofluoromethane	2000	0.25	U
Vinyl chloride	1	0.21	U
Xylene (total)	1000	0.39	U
Total TIC, Volatile	100 each/500 total	0	
Pesticides			
Aldrin	0.04	0.0019	U
alpha-BHC	0.02	0.0011	U
beta-BHC	0.04	0.0039	U
delta-BHC	100	0.0038	U
gamma-BHC (Lindane)	0.03	0.0012	U
Chlordane	0.5	0.087	U
Dieldrin	0.03	0.0015	U
4,4'-DDD	0.1	0.0051	U
4,4'-DDE	0.1	0.0014	U
4,4'-DDT	0.1	0.0038	U
Endrin	2	0.0034	U
Endosulfan sulfate	40	0.0029	U
Endrin aldehyde	NS	0.0041	U
Endosulfan-I	40	0.0019	U
Endosulfan-II	40	0.0038	U
Heptachlor	0.05	0.0022	U
Heptachlor epoxide	0.2	0.0017	U
Methoxychlor	40	0.0074	U
Toxaphene	2	0.23	U
Metals			
Antimony	6	25.3	
Arsenic	3	60.3	
Beryllium	1	4.3	
Cadmium	4	6.0	J
Chromium	70	175	
Copper	1300	612	
Lead	5	1640	
Mercury	2	0.61	J
Nickel	100	168	
Selenium	40	6.7	J
Silver	40	3.3	U
Thallium	2	4.3	U
Zinc	2000	2150	

000140

Notes:
U = Not detected above indicated level
J = Estimated Concentration
NS = No Standard
ND = Not Detected
NT = Not Tested

Table 2
Summary of Groundwater Laboratory Analytical Results
Mian
Somerville, NJ

Sample ID	NJDEP	TB-14-GW	
Laboratory ID	Class IIA	J88612-5	
Sample Media	Ground Water	Ground Water	
Sample Date	Quality Criteria	4/16/2008	
Units Of Measure	ug/l	ug/l	
Semi-Volatile Organic Compounds			
2-Chlorophenol	40	0.91	U
4-Chloro-3-methyl phenol	100	1.3	U
2,4-Dichlorophenol	20	1.5	U
2,4-Dimethylphenol	100	1.7	U
2,4-Dinitrophenol	40	1.1	U
4,6-Dinitro-o-cresol	100	2.3	U
2-Nitrophenol	100	1.6	U
4-Nitrophenol	100	1.6	U
Pentachlorophenol	0.3	0.23	U
Phenol	2000	0.71	U
2,4,6-Trichlorophenol	20	1.1	U
Acenaphthene	400	0.017	U
Acenaphthylene	100	0.0073	U
Anthracene	2000	0.022	U
Benzidine	20	0.45	U
Benzo(a)anthracene	0.1	0.035	U
Benzo(a)pyrene	0.1	0.037	U
Benzo(b)fluoranthene	0.2	0.018	U
Benzo(g,h,i)perylene	100	0.012	U
Benzo(k)fluoranthene	0.5	0.020	U
4-Bromophenyl phenyl ether	NS	0.39	U
Butyl benzyl phthalate	100	0.66	U
2-Chloronaphthalene	600	0.21	U
4-Chloroaniline	30	0.36	U
Chrysene	5	0.018	U
bis(2-Chloroethoxy)methane	100	0.33	U
bis(2-Chloroethyl)ether	7	0.70	U
bis(2-Chloroisopropyl)ether	300	0.60	U
4-Chlorophenyl phenyl ether	100	0.30	U
1,2-Dichlorobenzene	600	0.18	U
1,2-Diphenylhydrazine	20	0.39	U
1,3-Dichlorobenzene	600	0.15	U
1,4-Dichlorobenzene	75	0.15	U
2,4-Dinitrotoluene	10	0.57	U
2,6-Dinitrotoluene	10	0.52	U
3,3'-Dichlorobenzidine	30	1.0	U
Dibenzo(a,h)anthracene	0.3	0.021	U
Di-n-butyl phthalate	700	0.42	U
Di-n-octyl phthalate	100	0.50	U
Diethyl phthalate	6000	0.36	U
Dimethyl phthalate	100	0.35	U
bis(2-Ethylhexyl)phthalate	3	0.91	U
Fluoranthene	300	0.010	U
Fluorene	300	0.020	U
Hexachlorobenzene	0.02	0.010	U
Hexachlorobutadiene	1	0.13	U
Hexachlorocyclopentadiene	40	0.11	U
Hexachloroethane	7	0.17	U
Indeno(1,2,3-cd)pyrene	0.2	0.015	U
Isophorone	40	0.51	U
Naphthalene	300	0.014	U
Nitrobenzene	6	0.73	U
n-Nitrosodimethylamine	0.8	0.76	U
N-Nitroso-di-n-propylamine	10	0.40	U
N-Nitrosodiphenylamine	10	0.43	U
Phenanthrene	100	0.018	U
Pyrene	200	0.013	U
1,2,4-Trichlorobenzene	9	0.13	U
Total TIC, Semi-Volatile	100 each/500 total	0	
PCB's			
Aroclor 1016	NS	0.10	U
Aroclor 1221	NS	0.52	U
Aroclor 1232	NS	0.43	U
Aroclor 1242	NS	0.18	U
Aroclor 1248	NS	0.17	U
Aroclor 1254	NS	0.12	U
Aroclor 1260	NS	0.13	U
Total PCB's	0.5	0.32	J
General Chemistry			
Cyanide	100	0.010	U
Phenols	NS	0.20	U

000141

Notes:
U = Not detected above indicated level
J = Estimated Concentration
NS = No Standard
ND = Not Detected
NT = Not Tested

SOIL BORING LOG

Boring No.:	SB-1	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	6.5	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	—	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-8" Dk c SAND and GRAVEL.			
		8-12" Rd-Br SILT.			0
		12-36" CINDERS and BRICK, some Br Silt, some f Sand; fill material.			0
		36-48" Br SILT and f SAND.			
	36"		2		0
					0
			4		
		0-6" Br SILT and f SAND.			0
		6-36" Rd clayey SILT; moist.			
		36-48" Rd SILT.			0
	36"		6		
			8		

Notes:

EOB and Bedrock at 6.5'. Sample SB-1 collected at 0850 from 1.0-1.5'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	SB-2	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	7.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	—	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-18" Br SILT.			0
		18-36" Dk Br SILT and f SAND; fill material noted at this interval (cinders, glass, coaltar, slag).			0
		36-48" Br SILT and f SAND.			
	24"		2		0
					0
			4		0
		48-56" Dk Br SILT; fill material present but less pronounced then above.			0
		55-66" Br f SAND, some Gravel; moist.			
		66-70" Tn m SAND.			0
		70-82" Dk Br, Rd SILT, little Cinders.			
	36"		6		0
			8		

Notes:

EOB and Bedrock at 7.0'. Sample SB-2 collected at 0925 from 1.5-2.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	SB-3	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	4.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	48"	0-6" ASPHALT and GRAVEL. 6-36" Br SILT and f SAND, some Cinders, some Brick; fill material noted at approximatley 1.5'. 36-48" Rd SILT and weathered SHALE, some Concrete at 36"	2 4 6 8		0 0 0 0

Notes:
EOB and Bedrock at 4.0'. Sample SB-3 collected at 1055 from 1.5-2.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	SB-4	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	3.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	—	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	36"	0-12" Br f SAND and SILT. 12-30" SILT and weathered SHALE.	2 4 6 8		0 0 0

Notes:
EOB and Bedrock at 3.0'. Sample SB-4 collected at 1400 from 2.5-3.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB1	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	4.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	—	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	48"	0-12" Gy c SAND. 12-48" Rd SILT; no fill noted, off set to the south.	2 4 6 8		0 0 0 0

Notes:
EOB and Bedrock at 4.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB2	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	5.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-12" Rd-Br SILT.			
		12-18" Rd SILT, some Shale fragments.			0
		18-24" Br f SAND; small amount of Cinders.			
		24-48" Rd SILT and weathered SHALE.			0
	48"		2		
					0
					0
		48-60 Rd SILT and heavily weathered SHALE.	4		0
	12"		6		
			8		

Notes:
EOB and Bedrock at 5.0'

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB3	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	4.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	48"	0-6" Gy c SAND. 6-48" Rd SILT and weathered SHALE.	2 4 6 8		0 0 0 0

Notes:
EOB and Bedrock at 4.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB4	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	4.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	12"	0-6" ASPHALT and GRAVEL 6-48" SILT and weathered SHALE.	2 4 6 8		0 0 0 0

Notes:
EOB and Bedrock at 4.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB5	Date:			
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	3.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	0	No Recovery	2 4 6 8		

Notes:
EOB at 3.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB6	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	6.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-6" ASPHALT and GRAVEL.			
		6-24" Br SILT and f SAND, some Cinders; fill material.			0
		24-48" Rd clayey SILT; moist.			0
	36"		2		0
					0
					0
			4		
		48-54" Rd clayey SILT; moist.			0
		54-60" Rd SILT, some Dk f Sand.			
		60-72" Rd SILT and weathered SHALE.			0
	24"		6		
			8		

Notes:
EOB and Bedrock at 6.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB7	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	4.0'	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	—	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-6" ASPHALT and GRAVEL.			
		6-12" Rd SILT.			0
		12-18" Br f SAND, some Cinders; fill material.			
		18-30" Rd SILT, some Cinders; fill material.			0
	36"	30-42" Br-Dk Br f SAND; moist.	2		
		42-48" Rd SILT and weathered SHALE.			0
					0
			4		
			6		
			8		

Notes:
EOB and Bedrock at 4.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB8	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	5.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	—	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-6" ASPHALT.			0
		6-48" Br f SAND, some Rd Silt; fill noted throughout boring to 4'.			0
	48"		2		0
					0
					0
		Rd SILT and weathered SHALE.	4		0
	12"		6		
			8		

Notes:
EOB and Bedrock at 5.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB9	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	6.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-6" ASPHALT and GRAVEL.			0
		6-36" Br f SAND, some Rd SILT; fill material.			0
		36-48" Rd clayey SILT; moist.	2		0
	48"				0
			4		0
		48-54" Rd clayey SILT; moist.			0
		54-72" Rd SILT and weathered SHALE.			0
	24"		6		
			8		

Notes:
EOB and Bedrock at 6.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.: **TB10**
Project Name: MIAN
Project Location: Somerville, New Jersey
Project No.: 208031

Date:
ELM Inspector: M. Morolla
Total Boring Depth (ft): 6.0
Depth to Groundwater (ft): ---

Boring Method: Geoprobe
Sampler Type: 4' Macrocore
Drilling Contractor: Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-6" ASPHALT and GRAVEL.			0
		6-48" Br f SAND, some Rd Silt, some Slag, some Brick, some Cinders; fill material.			0
	36"		2		0
					0
	24"	48-72" Br f SAND; slag and cinders present at end of boring.	4		0
					0
			6		
			8		

Notes:
EOB and Bedrock at 6.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB11	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	6.0	Sampler Type:	4' Macorocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-6" ASPHALT and GRAVEL.			0
		6-48" Br f SAND and SILT, some Brick, some Slag, some Cinders; heaviest at bottom.			0
	48"		2		0
					0
			4		0
		48-60" Br f SAND; evidence of Cinders and Fill.			0
		60-72" Rd SILT and weathered SHALE.			0
	24"		6		
			8		

Notes:
EOB and Bedrock at 6.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB12	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	3.5'	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	—	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	42"	0-6" ASPHALT and GRAVEL. 6-42" Rd SILT and weathered SHALE.	2 4 6 8		0 0 0 0

Notes:
BOB and Bedrock at 3.5'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB13	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	4.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-12" Rd SILT.			0
		12-48" Br f SAND and SILT; fill (cinders and slag).			0
	36"		2		0
					0
			4		
			6		
			8		

Notes:
EOB and Bedrock at 4.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB14	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	Geoprobe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	7.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	6.05	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
		0-12" Rd SILT.			0
		12-18" Bl f SAND; probable fill.			
		18-48" Br f SAND and SILT; no indications of cinders or slag.			0
	36"		2		0
					0
					0
			4		
		48-84" Br f SAND and SILT.			0
					0
	36"		6		0
			8		

Notes:

EOB and Bedrock at 7.0'. Groundwater reached at 66". Temporary well installed at this point. Groundwater sample collected at 1430.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark

SOIL BORING LOG

Boring No.:	TB15	Date:	04/10/08		
Project Name:	MIAN	ELM Inspector:	M. Morolla	Boring Method:	GeoProbe
Project Location:	Somerville, New Jersey	Total Boring Depth (ft):	3.0	Sampler Type:	4' Macrocore
Project No.:	208031	Depth to Groundwater (ft):	---	Drilling Contractor:	Hamer Paul & Shane

Blow Counts or Rate	% Recovery	Soil Description/Observations/Samples	Depth (feet)	Sample	PID (ppm)
	36"	0-12" Rd SILT. 12-36" Rd SILT and weathered SHALE.	2 4 6 8		0 0 0

Notes:
EOB and Bedrock at 3.0'.

Abbreviation Legend:

f - fine	Or - Orange
m - medium	Gy - Gray
c - coarse	Gr - Green
Bl - Black	Lt - Light
Br - Brown	Dk - Dark